



U.S. Department  
of Transportation  
**Research and  
Special Programs  
Administration**

400 Seventh St., S.W.  
Washington, D.C. 20590

**FEB 26 2001**

DOT-E 11077  
(FIFTH REVISION)

EXPIRATION DATE: September 30, 2002
-------------------------------------

(FOR RENEWAL, SEE 49 CFR § 107.109.)

1. GRANTEE: U.S. Department of Defense  
Alexandria, VA

(See Appendix A to this exemption for a list of additional grantees)

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of the hazardous materials identified in paragraph 6 below, in a limited number of UN1A1 and DOT 42B drums which do not meet all requirements of §§ 173.226 and 173.227, subject to the conditions and limitations specified herein. This exemption provides no relief from any regulation other than as specifically stated herein.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.226 and 173.227 except as specified here in.
5. BASIS: This exemption is based on the February 7, 2001, submitted in accordance with § 107.109.

FEB 26 2001

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous materials description/proper shipping name	Hazard Class/ Division	Identification number	Packing Group
Dimethylhydrazine, unsymmetrical	6.1	UN1163	I Hazard Zone B
Methylhydrazine	6.1	UN1244	I Hazard Zone A
Nitric Acid, red fuming	8	UN2032	I Hazard Zone B
Toxic liquids,* flammable, organic, n.o.s. (50% Anhydrous hydrazine and 50% unsymmetrical dimethylhydrazine)	6.1	UN2929	I Hazard Zone B

\* Required to carry a subsidiary label of CORROSIVE

7. SAFETY CONTROL MEASURES:a. PACKAGING -

1. Packaging prescribed for dimethylhydrazine, unsymmetrical; methylhydrazine; and 50% anhydrous hydrazine and 50% unsymmetrical dimethylhydrazine is a UN1A1 stainless steel drum, tested and marked at the Packing Group I level for liquids with a specific gravity of at least 1.2, and a hydrostatic pressure test of 550 kPa. Only the 485 drums identified in the application dated July 29, 1993 may be used under the terms of this exemption. Drums must meet all requirements of §§ 173.226 or 173.227, as applicable, including requirements for outer drums, except that the closure is not required to be provided with a secondary cap seal in accordance with §§ 173.226(b)(3)(iii) or 173.227(b)(2)(iii). For methylhydrazine, the inner drum does not meet the minimum thickness requirements of §§ 173.226(b)(4)(ii)(A). Drum thickness must be at least 1.35mm (0.053 inches).

FEB 26 2001

2. Packaging prescribed for nitric acid, red fuming, is a DOT Specification 42B aluminum drum. Only those 110 drums identified in the application dated July 29, 1993 may be used under the terms of this exemption. Drums must meet the performance testing requirements of Subpart M of Part 178, for UN1B1 drums at the Packing Group I level for liquids with a specific gravity of at least 1.6, and a hydrostatic test pressure of at least 250 kPa. Drums must meet all requirements of § 173.227, except that the closure is not required to be provided with a secondary cap seal in accordance with § 173.227(b)(2)(iii).

b. VEHICLE SPECIAL REQUIREMENTS - Shipments must be in enclosed van trailers, in exclusive-use-of-vehicle service. Drums, which must be securely blocked and braced, may not be stacked (double decked) within the transport vehicle. Shipments must be from one origin to one destination only, without any intermediate pickup or delivery.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. MARKING - In addition to the markings required by the applicable DOT or UN specification, each drum must be marked "DOT-E 11077."

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation laws, 49 U.S.C. 5101 et seq:

FEB 26 2001

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

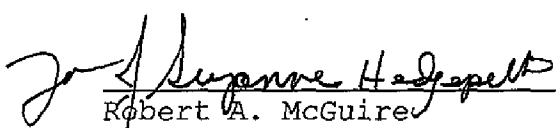
Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS. The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:

FEB 26 2001

  
Robert A. McGuire  
Associate Administrator  
for Hazardous Materials Safety

\_\_\_\_\_  
(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.  
Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

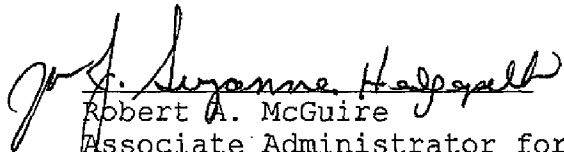
The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: sln

FEB 26 2001

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
ARCH Chemicals, Inc. Norwalk, CT	9/19/2000	10/23/2000	9/30/2002

  
Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety